Amendments

Please amend the above-identified application, as follows:

In the Specification:

Delete the title and replace with the following:

DETERMINING COMPLETION OF TRANSACTIONS PROCESSING IN A DYNAMICALLY CHANGING NETWORK

In the Claims:

Kindly cancel claims 15, 20 and 26, without prejudice, and amend claims 13-14, 16-19, 21-25, and 27-28, as follows. All claims are reproduced below for the Examiner's convenience.

Claims 1-12 have been previously canceled.

13. (AMENDED) A method of dynamically changing message flow, said method comprising:

dynamically changing a network of processes, while one or more messages of a plurality of messages are being processed in the network; and

determining completion of a problem associated with one or more messages of the plurality of messages, although said network has changed, said determining comprising checking a

data structure to determine whether the problem is completed.

14. (AMEMDED) The method of claim 13, wherein said dynamically changing the network comprises at least one of adding a process to the network, changing a process of the network and deleting a process from the network.

15. CANCELED

16. (AMENDED) The method of claim 13, wherein said data structure collects results associated with said problem.

17. (AMENDED) The method of claim 13, wherein the data structure is extendable to accommodate changes in the network.

18. (AMENDED) A system of dynamically changing message flow, said system comprising:

means for dynamically changing a network of processes, while one or more messages of a plurality of messages are being processed in the network; and

means for determining completion of a problem associated with one or more messages of the plurality of messages, although said network has changed, said means for determining comprising means for checking a data structure to determine whether the problem is completed.

19. (AMENDED) The system of claim 18, wherein said means for dynamically changing the network comprises at least one of means for adding a process to the network, means for changing a process of the network, and means for deleting a process from the network.

20. CANCELED

21. (AMENDED) The system of claim 18, wherein said data structure collects results associated with said problem.

22. (AMENDED) The system of claim 18, wherein the data structure is extendable to accommodate changes in the network.

23. (AMENDED) A system of dynamically changing message flow, said system comprising:

a computing system adapted to dynamically change a network of processes, while one or more messages of a plurality of messages are being processed in the network; and

a data structure used in determining, although the network has changed, completion of a problem associated with one or more messages of the plurality of messages.

24. (AMENDED) At least one program storage device readable by a machine, tangibly embodying at least one

program of instructions executable by the machine to perform a method of dynamically changing message flow, said method comprising:

dynamically changing a network of processes, while one or more messages of a plurality of messages are being processed in the network; and

determining completion of a problem associated with one or more messages of the plurality of messages, although said network has changed, said determining comprising checking a data structure to determine whether the problem is completed.

25. (AMENDED) The at least one program storage device of claim 24, wherein said dynamically changing the network comprises at least one of adding a process to the network, changing a process of the network and deleting a process from the network.

26. CANCELED

27. (AMENDED) The at least one program storage device of claim 24, wherein said data structure collects results associated with said problem.

28. (AMENDED) The at least one program storage device of claim 24, wherein the data structure is extendable to accommodate changes in the network.

Please add the following new claims:

29. (NEW) A method of facilitating processing of transactions, said method comprising:

dynamically changing a network of processes used in processing a plurality of messages of a transaction, said transaction having associated therewith a dynamic number of messages; and

determining completion of the transaction, even though the network used in processing the plurality of messages of the transaction is dynamically changed.

30. (NEW) The method of claim 29, wherein the determining completion of the transaction determines completion even though the number of messages of the transaction changes during processing.

31. (NEW) The method of claim 29, wherein said determining completion comprises using a data structure to determine when the transaction is complete.

32. (NEW) A system of facilitating processing of transactions, said system comprising:

means for dynamically changing a network of processes used in processing a plurality of messages of a transaction, said transaction having associated therewith a dynamic number of messages; and

means for determining completion of the transaction, even though the network used in processing the plurality of messages of the transaction is dynamically changed.

33. (NEW) The system of claim 32, wherein the means for determining completion of the transaction determines completion even though the number of messages of the transaction changes during processing.

34. (NEW) The system of claim 32, wherein said means for determining completion comprises a data structure used to determine when the transaction is complete.

35. (NEW) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by the machine to perform a method of facilitating processing of transactions, said method comprising:

dynamically changing a network of processes used in processing a plurality of messages of a transaction, said transaction having associated therewith a dynamic number of messages; and

determining completion of the transaction, even though the network used in processing the plurality of messages of the transaction is dynamically changed.